



Vossloh Concrete Sleeper Portfolio

Certified sustainability – built to last.

vossloh
enabling green mobility

Vossloh Sleeper Technologies Australia, part of the global *Vossloh Group*, proudly presents its officially verified *Environmental Product Declaration (EPD)* for the *primary prestressed concrete sleepers*, including its *Low Carbon (Lo-C)* variants.

Certified according to *ISO 14025* and *EN 15804+A2*, and registered with *EPD Australasia*, this declaration provides *transparent and independently verified data* on the product's environmental performance – from raw materials to end-of-life.



Sustainability at a glance

FROM EPDs

- › **CO₂ footprint:** A reduction between **18 – 35%** in CO₂ for the **Lo-C variants** (Modules A1–A3)
- › **Recycling rate:** **>80%** of production waste recycled
 - Based on **waste concrete, steel, paper** from factory sent to recycling rather than landfill

FROM OTHER SOURCES

- › **Vossloh target:** of Scope 1 and 2 Carbon Neutral by 2030
- › **GreenPower 100% Renewable Electricity** – Rockhampton and Wagga, soon to include Geelong
- › **Filter press water recycling** at Rockhampton, soon to be Wagga and Geelong
- › **50-year product lifespan**
- › **Local sourcing** (where possible) to reduce transport emissions

The EPD confirms *Vossloh's long-term commitment* to sustainable, resource-efficient *railway infrastructure* and provides a *transparent environmental record* for project tenders and sustainability certifications.

PRODUCT PROFILE

- › **Product Range:** 18x Concrete Sleepers Type approved in the Relevant Networks
- › **Track gauge:** Narrow, Standard, Broad Gauge
- › **Standard:** AS1085.14:2019 – Railway Track Material
- › **Manufactured in:** Rockhampton, Wagga Wagga, or Geelong

Each sleeper is produced with **optimized use of cement, fly ash, aggregates, and steel reinforcement** to ensure **durability, safety, and minimal environmental impact**.

CERTIFIED ENVIRONMENTAL PERFORMANCE

- › Verified through **Life Cycle Assessment (LCA)** by Life Cycle Logic (A. D. Moore)



INTERNATIONAL EPD SYSTEM

- › Registered under the **International EPD® System / EPD Australasia**
- › **EPD Registration No.:** EPD-IES-0025160:001
- › **Validity:** 30 September 2025 – 30 September 2030

WHY IT MATTERS

- › **Transparency** in environmental data for sustainable procurement
- › **Supports carbon-reduction goals** in infrastructure projects
- › **Long-lasting performance** with circular end-of-life solutions
- › **Fully aligned with Vossloh's global sustainability strategy**

About Vossloh Sleeper Technologies

As Australia's leading concrete sleeper manufacturer, *Vossloh Sleeper Technologies* combines *local expertise* with *global innovation*.

We design and produce high-quality, durable sleepers that meet the challenges of modern rail infrastructure — with sustainability built in from the start.

"We make railways sustainable – step by step, sleeper by sleeper."



